

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Najmuddin, Ilyas Juzer

Serial No.: 10/081,090

Filed: February 22, 2002

For: Method and Apparatus
For Detecting Fractures
Using Frequency Data
Derived from Seismic Data

Group Art. Unit: 2862

Examiner: Taylor

Atty. Docket: 94.0048

Certificate of Faxing [37 CFR 1.8(a)]

I hereby certify that this correspondence is being transmitted
as a facsimile to 703-746-4509, attn. Mr. Taylor on March
14, 2003Name of the person signing this certificate: Danilo JM
Signature: [Signature]PRELIMINARY AMENDMENTHonorable Assistant Commissioner
of Patents
Washington, D.C. 20231

Dear Sir or Madam:

This is a preliminary amendment.

AMENDMENTS

Please amend this application as follows:

I. In The Claims

Please amend the claims as follows:

- Sub
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a
1. (Amended) A method of detecting fractures in a fractured zone in an Earth formation, comprising the steps of:
 - a. propagating a plurality of acoustic waves through the fractured zone so that the plurality of acoustic waves reflect off a horizon in the formation;

-1-

Attorney Docket No. 94.0048

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